

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



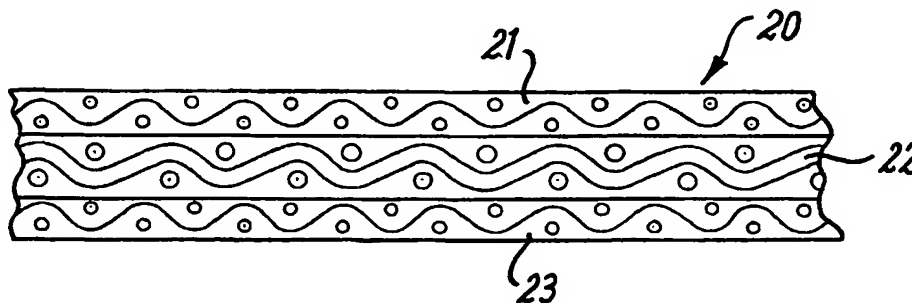
(43) International Publication Date  
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number  
**WO 2004/038093 A1**

- (51) International Patent Classification<sup>7</sup>: **D21F 1/00**
- (21) International Application Number:  
PCT/GB2003/004585
- (22) International Filing Date: 24 October 2003 (24.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0224749.2 24 October 2002 (24.10.2002) GB  
0230211.5 27 December 2002 (27.12.2002) GB
- (71) Applicant (*for all designated States except US*):  
**VOITH FABRICS HEIDENHEIM GMBH & CO.  
KG.** [DE/DE]; Kurtestrasse 11, 89522 Heidenheim (DE).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): **MORTON, Antony**  
[GB/GB]; 8 Margerison Road, Ben Rhyding, Ilkley, West  
Yorkshire LS29 8QU (GB).
- (74) Agents: **MIDDLEMIST, Ian, Alastair et al.**; Wilson  
Gunn M'Caw, 41-51 Royal Exchange, Cross Street,  
Manchester M2 7BD (GB).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,  
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,  
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,  
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— *with international search report*  
— *before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments*
- For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: CONDENSATION DRYER FABRIC



(57) Abstract: A fabric for use in dynamic condensation drying apparatus comprises a single fabric comprising at least a core layer (22) of relatively large structure and large void size, and a paper support layer (21) of relatively fine structure and pore size, and optionally a cylinder side layer (23) of intermediate structure and pore size. A range of alternatives are shown, including the use of fibrous batts, woven fabrics, perforated membranes, sintered layers, chain-link fabrics, and honeycomb layers, as well as unitary woven or sintered fabrics incorporating the layers in a single structure.